

Attorney Docket No. 52719.00017

**AMENDMENT TO THE CLAIMS**

Please amend *EXISTING* claims 1, 10, 20, 28, 46, 48 - 50. Please cancel claims 9, 18 – 19 and 36 – 45:

**We Claim:**

1(Currently Amended). A method for managing information, comprising:  
modeling a first plurality of information entities, including a first entity and a second entity, using a first logical model;  
converting said logical model into a first concept centric subject model (derived subject model);  
converting said first derived subject model into a first physical model; and  
mapping at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model.

2(Original). The method of claim 1, said first logical model comprising at least one of a central concept entity, a static attribute entity, a dynamic attribute entity, an activities/events entity.

3(Original). The method of claim 1, said first derived subject model comprising at least one of a core component, and at least one of a plurality of customized group components.

4(Original). The method of claim 1, further comprising:  
analyzing said first plurality of information entities using applications based upon input of said first logical model.

5(Original). The method of claim 4, said applications comprising at least one of statistics, a report generator, an On Line Analytical Processing (OLAP) package, and a data mining application.

6(Original). The method of claim 1, mapping at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model comprises:

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creating metadata information for said models; and  
saving said metadata information in a repository.

7(Original). The method of claim 1, further comprising:  
modeling a second plurality of information entities, including a first entity and a second  
entity, using a second logical model;  
converting said second logical model into a second derived subject model;  
converting said second derived subject model into a second physical model; and  
mapping at least one relationship among said first entity and said second entity of said  
second plurality of information entities based upon said second physical model.

8(Original). The method of claim 7, further comprising:  
analyzing said first plurality of information entities and said second plurality of  
information entities using applications based upon input from said first logical  
model and said second logical model, said applications deriving new  
relationships between said first plurality of information entities and said second  
plurality of information entities.

9(Cancel).

10(Currently Amended). A computer program product for managing information,  
said computer program product comprising:  
code that models a first plurality of information entities, including a first entity and a  
second entity, using a first logical model;  
code that converts said logical model into a first concept centric subject model (derived  
subject model);  
code that converts said first derived subject model into a first physical model;  
code that maps at least one relationship among said first entity and said second entity of  
said first plurality of information entities based upon said first physical model;  
and  
a computer readable storage medium for holding the codes.

11(Original). The computer program product of claim 10, said first logical model  
comprising at least one of a central concept entity, a static attribute entity, a

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dynamic attribute entity, an activities/events entity.

12(Original). The computer program product of claim 10, said first derived subject model comprising at least one of a core component, and at least one of a plurality of customized group components.

13(Original). The computer program product of claim 10 further comprising: code that analyzes said first plurality of information entities using applications based upon input of said first logical model.

14(Original). The computer program product of claim 13, said applications comprising at least one of statistics, a report generator, an On Line Analytical Processing (OLAP) package, and a data mining application.

15(Original). The computer program product of claim 10, wherein said code that maps at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model comprises:

code that creates metadata information for said models; and  
code that saves said metadata information in a repository.

16(Original). The computer program product of claim 10, further comprising:  
code that models a second plurality of information entities, including a first entity and a second entity, using a second logical model;  
code that converts said second logical model into a second derived subject model;  
code that converts said second derived subject model into a second physical model; and  
code that maps at least one relationship among said first entity and said second entity of said second plurality of information entities based upon said second physical model.

17(Original). The computer program of claim 16, further comprising:  
code that analyzes said first plurality of information entities and said second plurality of information entities using applications based upon input from said first logical model and said second logical model, said applications deriving new

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relationships between said first plurality of information entities and said second plurality of information entities.

18(Cancel).

19(Cancel).

20(Currently Amended). An apparatus for managing information, comprising:  
a processor; and  
a memory;  
wherein said processor is operative to model a first plurality of information entities,  
including a first entity and a second entity, using a first logical model; said  
processor is further operative to convert said logical model into a first concept  
centric subject model (derived subject model); and to convert said first derived  
subject model into a first physical model; and thereupon to map at least one  
relationship between said first entity and said second entity of said first plurality  
of information entities based upon said first physical model; wherein said first  
entity and said second entity are stored in said memory.

21(Original). The apparatus of claim 20, said first logical model comprising at least  
one of a central concept entity, a static attribute entity, a dynamic attribute entity,  
an activities/events entity.

22(Original). The apparatus of claim 20, said first derived subject model comprising at  
least one of a core component, and at least one of a plurality of customized group  
components.

23(Original). The apparatus of claim 20, wherein said processor is further operative to  
analyze said first plurality of information entities using applications based upon  
input of said first logical model.

24(Original). The apparatus of claim 23, said applications comprising at least one of  
statistics, a report generator, an On Line Analytical Processing (OLAP) package,  
and a data mining application.

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25(Original). The apparatus of claim 20, wherein said processor is operative to:  
create metadata information for said models; and  
save said metadata information in a repository when said processor maps at least one  
relationship between said first entity and said second entity of said first plurality  
of information entities based upon said first physical model.

26(Original). The apparatus of claim 20, wherein said processor is further operative to:  
model a second plurality of information entities, including a first entity and a second  
entity, using a second logical model;  
convert said second logical model into a second derived subject model;  
convert said second derived subject model into a second physical model; and  
map at least one relationship among said first entity and said second entity of said second  
plurality of information entities based upon said second physical model.

27(Original). The apparatus of claim 26, wherein said processor is further operative to:  
analyze said first plurality of information entities and said second plurality of information  
entities using applications based upon input from said first logical model and said  
second logical model, said applications deriving new relationships between said  
first plurality of information entities and said second plurality of information  
entities.

28(Currently Amended). A client apparatus, comprising:  
a processor;  
a memory; and  
a display; wherein said processor causes said display to:  
display a first logical model, said first logical model modeling a first plurality of  
information entities, including a first entity and a second entity;  
display a first concept centric subject model (derived subject model), said first derived  
subject model obtained from said logical model;  
display a first physical model, said first physical model obtained from said first derived  
subject model; wherein at least one relationship between said first entity and said  
second entity of said first plurality of information entities exists based upon said  
first physical model.

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29(Original). The apparatus of claim 28, said first logical model comprising at least one of a central concept entity, a static attribute entity, a dynamic attribute entity, an activities/events entity.

30(Original). The apparatus of claim 28, said first derived subject model comprising at least one of a core component, and at least one of a plurality of customized group components.

31(Original). The apparatus of claim 28, wherein said processor is further operative to display a result obtained from analyzing said first plurality of information entities using applications based upon input of said first logical model.

32(Original). The apparatus of claim 31, said applications comprising at least one of statistics, a report generator, an On Line Analytical Processing (OLAP) package, and a data mining application.

33(Original). The apparatus of claim 28, wherein said processor is operative to: display a result obtained from creating metadata information for said models; and saving said metadata information in a repository when said processor maps at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model.

34(Original). The apparatus of claim 28, wherein said processor is further operative to: display a second logical model, said second logical model modeling a second plurality of information entities, including a first entity and a second entity; display a second derived subject model obtained from said second logical model; display a second physical model obtained from said second derived subject model; wherein at least one relationship among said first entity and said second entity of said second plurality of information entities exists based upon said second physical model.

35(Original). The apparatus of claim 34, wherein said processor is further operative to: display a result obtained from analyzing said first plurality of information entities and

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said second plurality of information entities using applications based upon input from said first logical model and said second logical model, said applications deriving new relationships between said first plurality of information entities and said second plurality of information entities.

36 (Cancel).

37(Cancel).

38(Cancel).

39(Cancel).

40(Cancel).

41(Cancel).

42(Cancel).

43(Cancel).

44(Cancel).

45(Cancel).

46(Currently Amended).      A The method of claim 1, further comprising; for analyzing information, comprising;  
retrieving metadata information comprising the derived subject model from a repository;  
creating at least one of a plurality of commands based upon said metadata information;  
sending said at least one of a plurality of commands to a database;  
providing information received from said database responsive to said at least one of a  
plurality of commands to at least one of a plurality of applications; and  
creating at least one of a plurality of reports from a result of said at least one of a plurality  
of applications.

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47(Original). The method of claim 46, wherein said metadata information comprises at least one of a model, a mapping, a derived attributes definition, and a profiling definition.

48(Currently Amended). ~~A The computer program product of claim 10, further comprising: for analyzing information, comprising:~~  
~~code that retrieves metadata information comprising the derived subject model from a repository;~~  
~~code that creates at least one of a plurality of commands based upon said metadata information;~~  
~~code sends said at least one of a plurality of commands to a database;~~  
~~code that provides information received from said database responsive to said at least one of a plurality of commands to at least one of a plurality of applications; and~~  
~~code that creates at least one of a plurality of reports from a result of said at least one of a plurality of applications; and~~  
~~a computer readable storage medium for storing the codes.~~

49(Currently Amended). ~~An The apparatus of claim 20, for analyzing information, comprising:~~  
~~a processor; and~~  
~~a memory;~~  
wherein said processor is operative to retrieve metadata information comprising the derived subject model from a repository; create at least one of a plurality of commands based upon said metadata information; send said at least one of a plurality of commands to a database; provide information received from said database responsive to said at least one of a plurality of commands to at least one of a plurality of applications; and create at least one of a plurality of reports from a result of said at least one of a plurality of applications.

50(Currently Amended). ~~A client The apparatus of claim 28, comprising:~~  
~~a processor;~~  
~~a memory; and~~

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a display; wherein said processor causes said display to display at least one of a plurality of reports from a result of at least one of a plurality of applications acting upon information received from a database responsive to at least one of a plurality of commands created based upon a metadata information comprising the derived subject model retrieved from a repository.